

**Kentucky Vaccines for Children Program  
4:3:1:3:3:1 Immunization County  
Coverage Rates for Children  
24 to 35 Months of Age  
2006 - 2007**

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## **County Immunization Coverage Rates 2006 and 2007**

### **Disclosure**

The data outlined in this document should only be used as a general indicator of the status of 4:3:1:3:3:1 immunization county coverage rates for children 24 – 35 months of age in the Kentucky's Vaccines for Children (VFC) Program during 2006 and 2007. This data cannot be used as an accurate representation of actual immunization county coverage rates.

In addition, due to the data limitations outlined on page 3, this data is not likely to accurately portray the actual VFC Program county coverage rates. However, the data does give us an overall impression of the status of county coverage rates within the VFC Program, and can be used to guide our efforts in increasing coverage rates.

### **Data Collection Methods - AFIX Quantitative Assessment**

Immunization coverage data uses AFIX quantitative assessment data collected by the Immunization Program field staff from health care providers enrolled in the (VFC) Program. These providers include all local health departments, private physicians, federally qualified and rural health clinics and other public providers.

An AFIX quantitative assessment consists of conducting a review of the 4:3:1:3:3:1 coverage rates for children 24 -35 months for each health care provider. CoCASA, a CDC provided computer program, is used to assess immunizations entered for each child and to determine immunization coverage levels for each health care practice. For private providers and non local health departments, 25 to 50 charts were pulled for review. The number of charts reviewed for local health departments varied greatly from 11 to 615 charts.

In 2006 and 2007, all local health departments were eligible to receive an AFIX quantitative assessment. All other providers were only considered eligible to receive a review if they had at least 25 patients, 24 – 35 months of age. Table 1 indicates the number of providers who received AFIX quantitative assessments in 2007.

Table 1

<b>Provider type</b>	<b>Number of site visits</b>	<b>Number eligible</b>	<b>Percentage accomplished</b>
Health Department	134	141	95%
All other providers	125	308	41%

## Results

VFC Program county coverage rates for 2007 were reported by taking a weighted average of the up-to-date coverage levels for all providers that received an assessment by county. Up-to-date coverage levels include those children 24 – 35 months of age who had completed all of their immunization requirements by 24 months of age. Please note that the 2006 VFC Program county coverage rates were reported by taking an un-weighted average.

VFC Program County coverage estimates were mapped using GIS. The following maps are included in this analysis.

- 2006 County Immunization Coverage Rates: Health Department and Private Provider Combined
- 2007 County Immunization Coverage Rates: Health Department and Private Provider Combined
- 2007 County Immunization Coverage Rates: Health Department
- 2007 County Immunization Coverage Rates: Private Provider
- 2007 County Immunization Coverage Rates: WIC

## Data Limitations

### Data collection

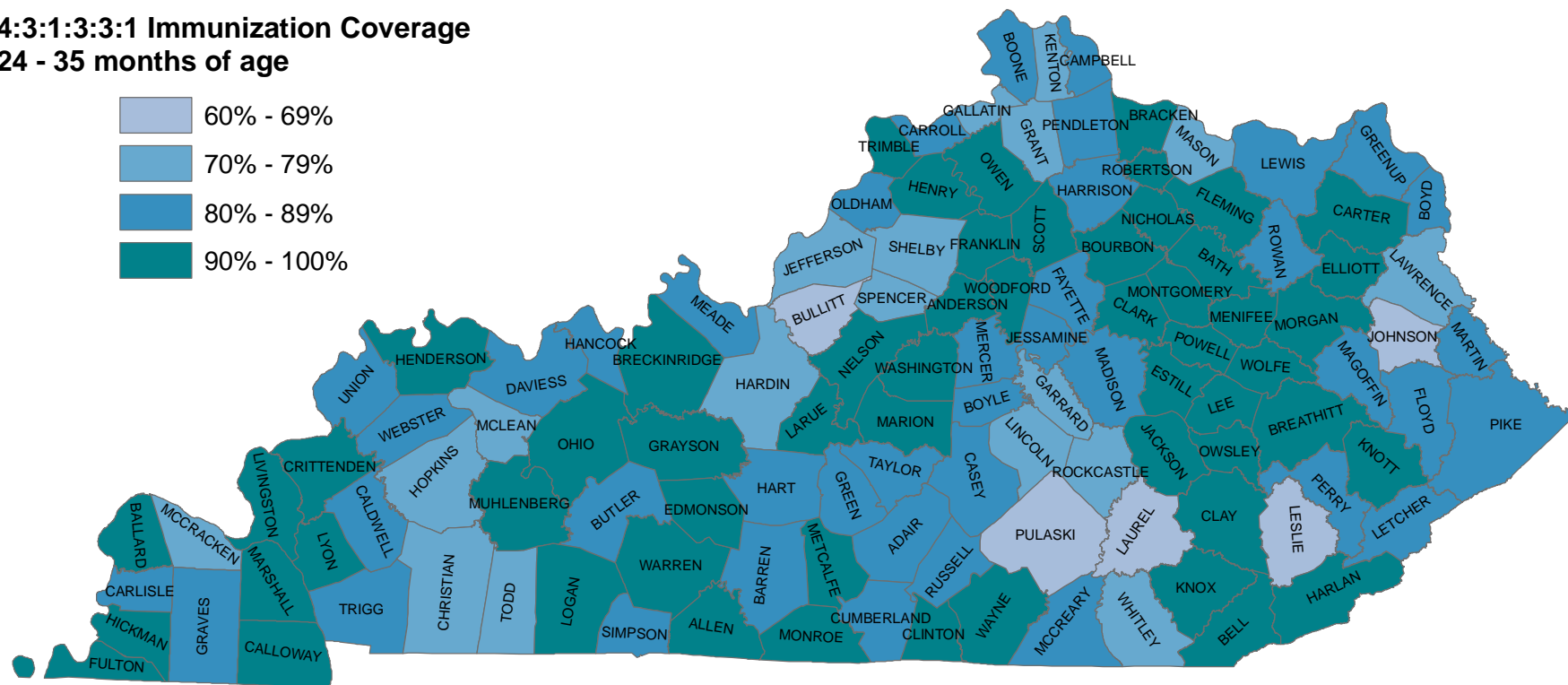
Charts selected for use in the AFIX quantitative review are not chosen by random sampling. The primary selection method reported had providers selecting charts for the review and providing these charts to field staff members upon their arrival for the site visit. Selection bias is inherent using this method of chart selection.

### Analysis

County coverage rates for 2006 were assessed using an un-weighted average of the providers in each county. An un-weighted average does not take into account the different sample sizes (number of charts assessed) for each provider. This increases the potential for under representation of the actual VFC program county coverage rates and minimizes the extent to which 2006 and 2007 rates can be compared.

## 2006 County Immunization Coverage Rates Health Department and Private Provider Combined

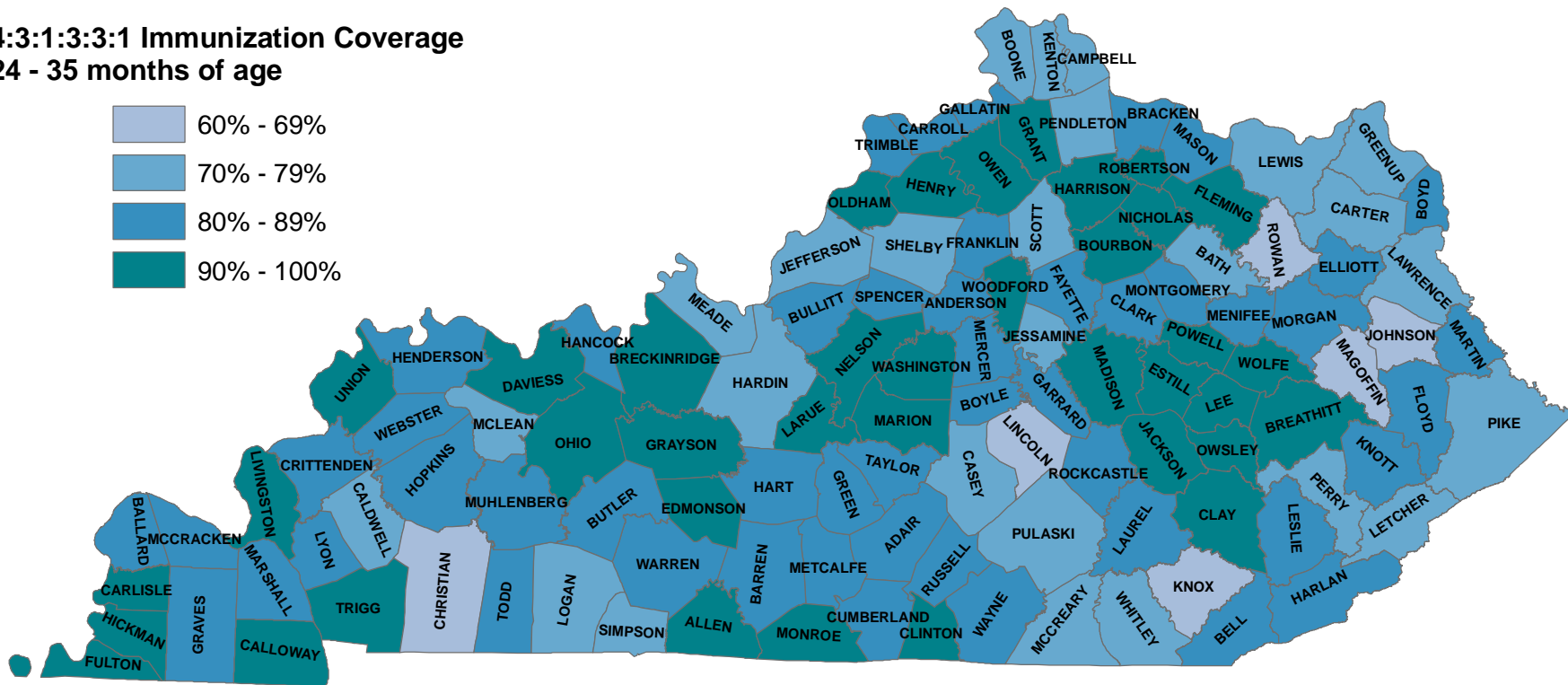
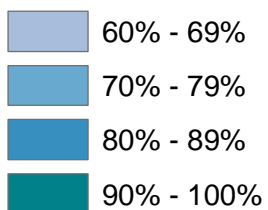
### 4:3:1:3:3:1 Immunization Coverage 24 - 35 months of age



Note: Percentages rounded to the next whole number

## Health Department and Private Provider Combined

### 4:3:1:3:3:1 Immunization Coverage 24 - 35 months of age

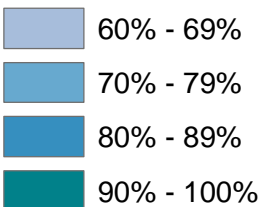


Note: Percentages rounded to the next whole number

# 2007 County Immunization Coverage Rates

## Health Department

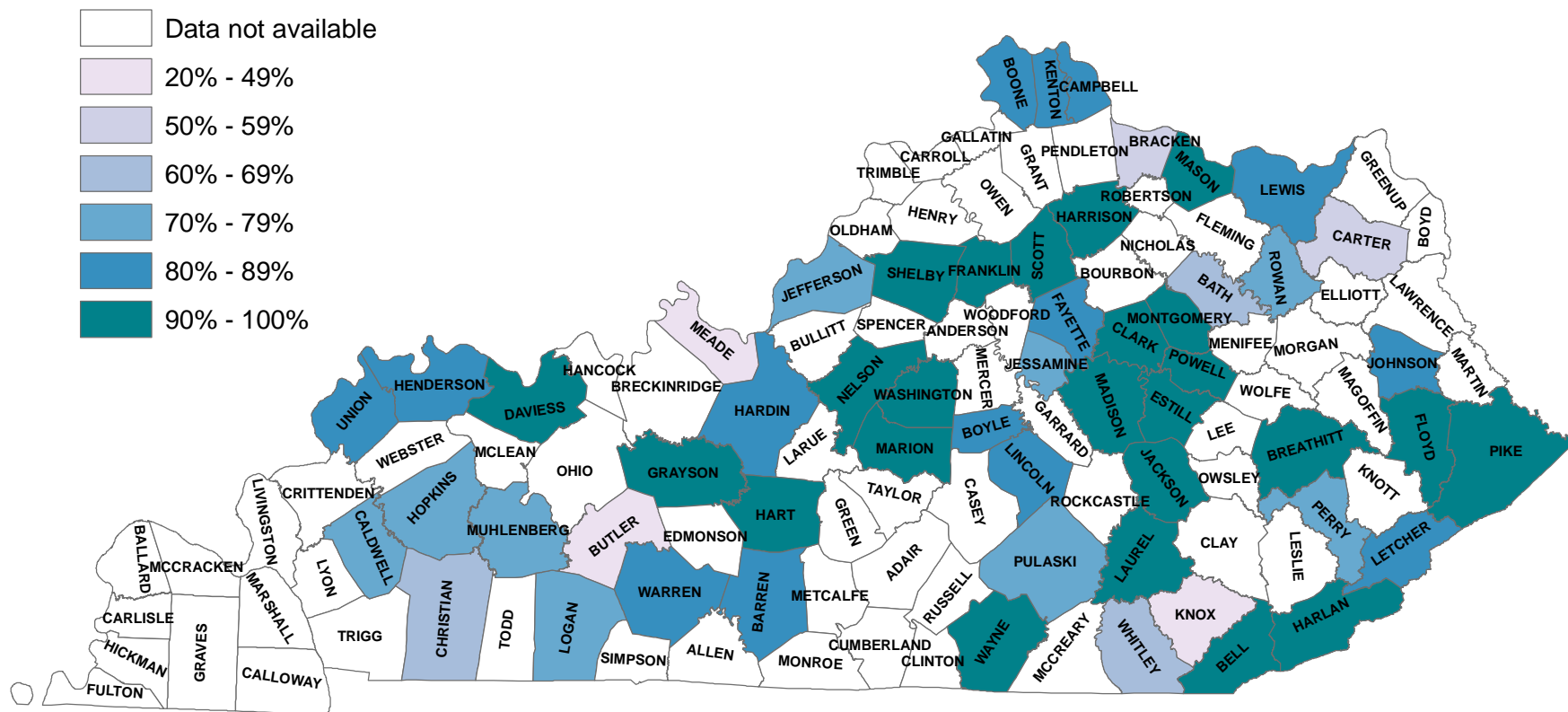
### 4:3:1:3:3:1 Immunization Coverage 24 - 35 months of age



Note: Percentages rounded to the next whole number

## 2007 County Immunization Coverage Rates Private Provider

### 4:3:1:3:3:1 Immunization Coverage 24 - 35 months of age

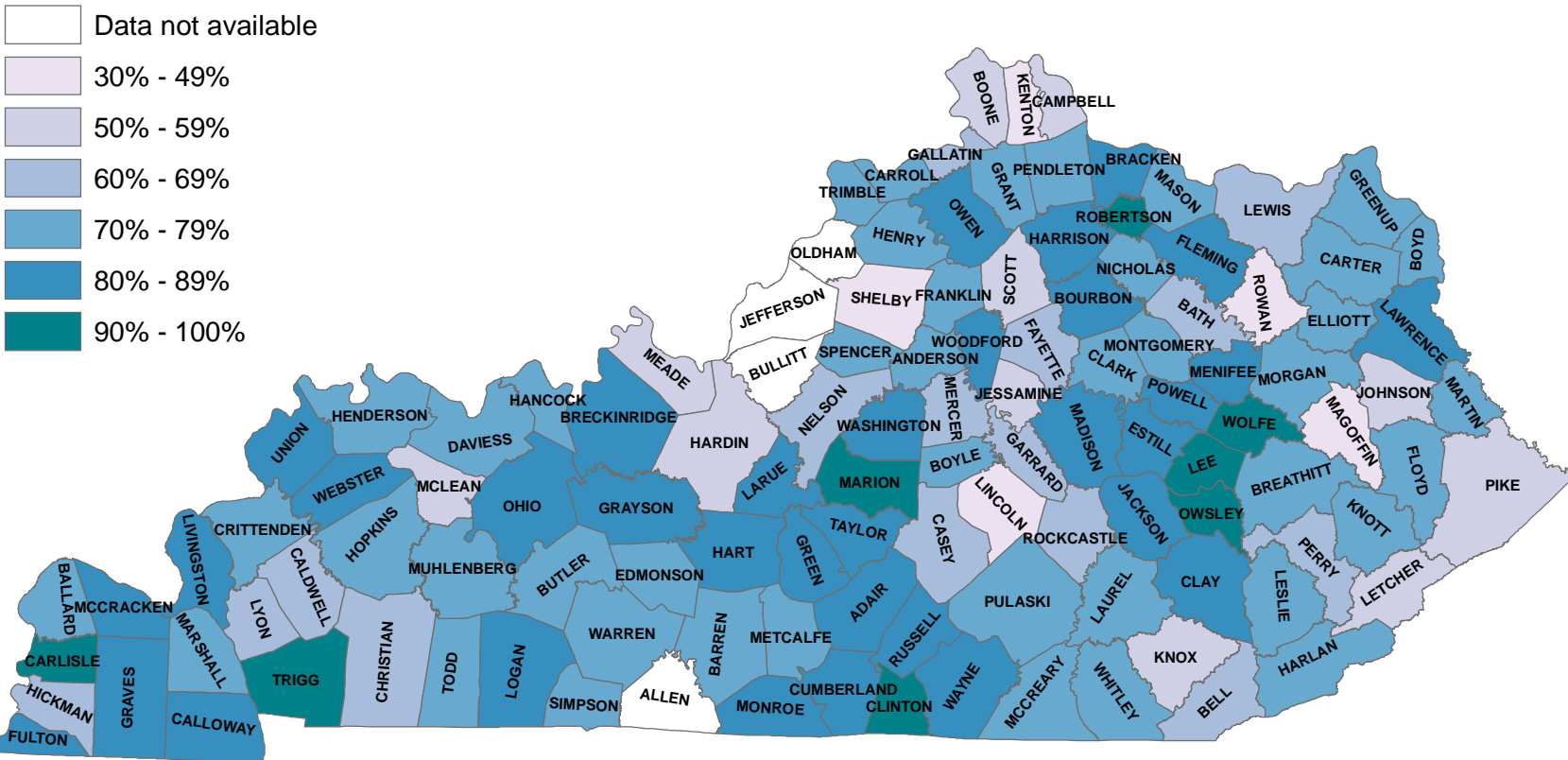


Note: Percentages rounded to the next whole number

## 2007 County Immunization Coverage Rates

### WIC

### 4:3:1:3:3:1 Immunization Coverage 24 - 35 months of age



Note: Percentages rounded to the next whole number